Title (en)

OPTIMIZING AUTONOMOUS CAR'S DRIVING TIME AND USER EXPERIENCE USING TRAFFIC SIGNAL INFORMATION

Title (de)

OPTIMIERUNG DER FAHRZEIT EINES AUTONOMEN FAHRZEUGS UND BENUTZERERFAHRUNG UNTER VERWENDUNG VON VERKEHRSSIGNALINFORMATIONEN

Title (fr)

OPTIMISATION DU TEMPS DE CONDUITE D'UNE VOITURE AUTONOME ET DE L'EXPÉRIENCE DE L'UTILISATEUR À L'AIDE D'INFORMATIONS SUR LES FEUX DE CIRCULATION

Publication

EP 3519772 A1 20190807 (EN)

Application

EP 17856935 A 20170228

Priority

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- US 2017019934 W 20170228

Abstract (en)

[origin: US2018096597A1] Methods, apparatuses, and non-transitory computer readable storage media for optimizing driving time based on traffic signal states are described. The disclosed technology includes a vehicle that is able to determine, based on route data, a plurality of distances that correspond to paths between a vehicle location and a destination location for the vehicle. The route data can include a map of a predetermined area that includes the vehicle location and the destination location. The vehicle can receive traffic signal data that includes traffic signal states for a corresponding traffic signals on the paths. The vehicle can determine travel times corresponding to a predetermined portion of the paths based on the distances and the traffic signal states. The vehicle can determine an optimized path between the vehicle location and the destination location based on the path that is determined to have the shortest travel time.

IPC 8 full level

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CPC (source: EP US)

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